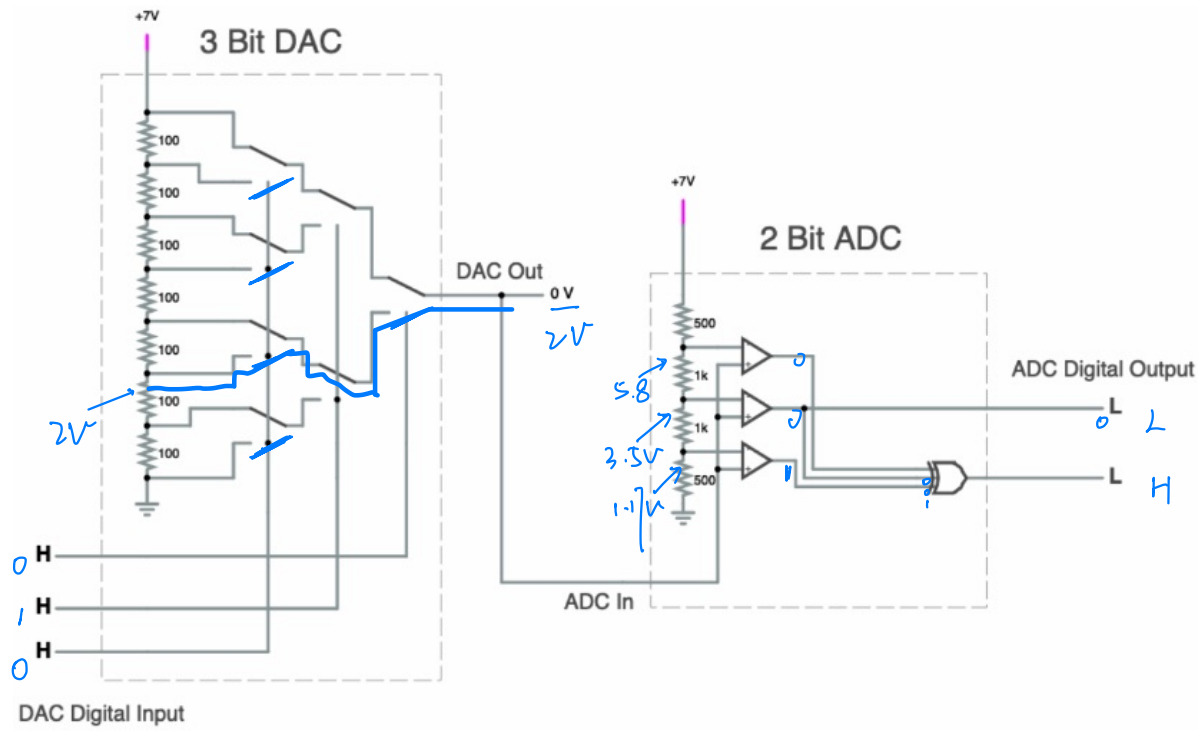


$$\frac{5V}{7} = 0.71V$$

$$5.5V > \text{ADC input} > 4.5V$$

$$3.5 \div 0.71 = 5$$

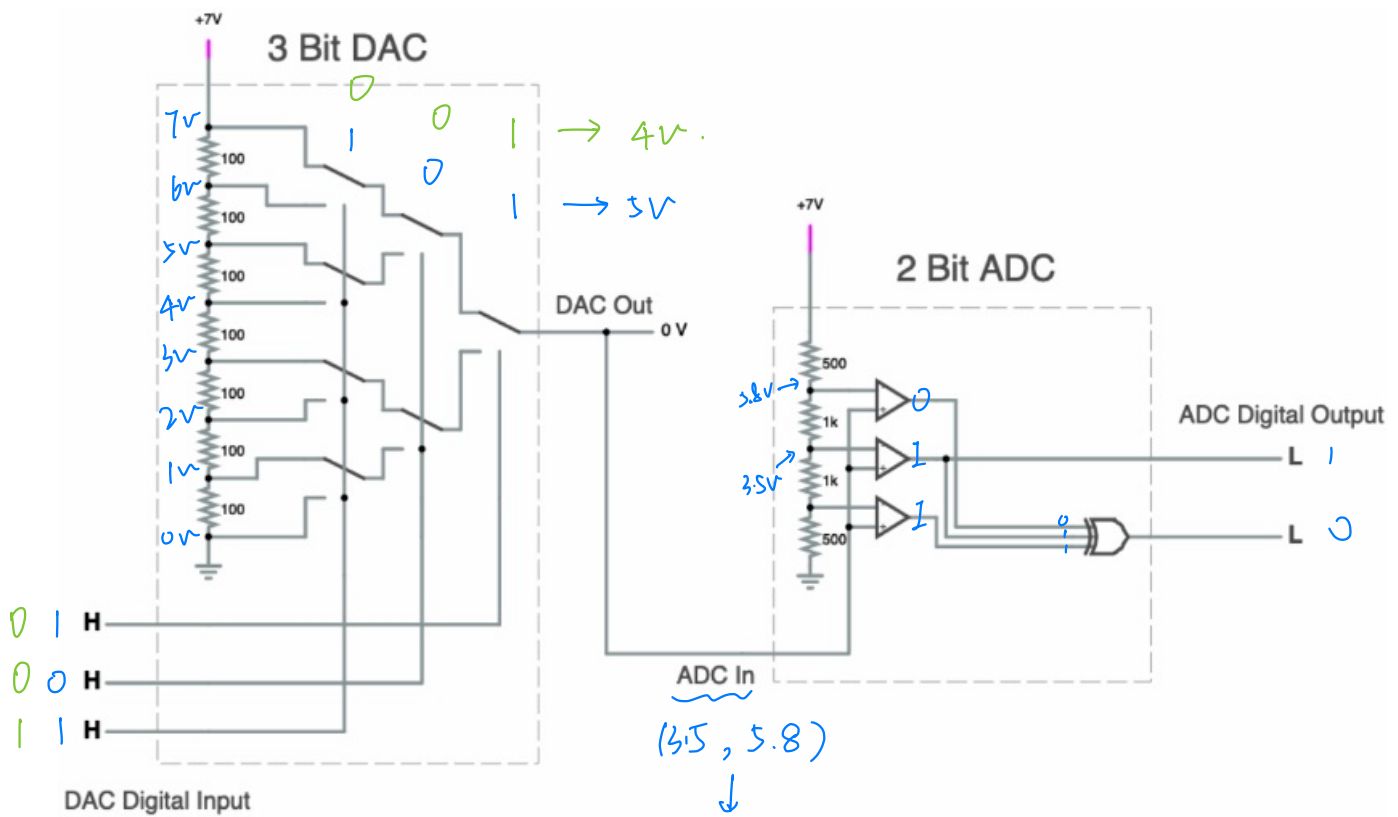


$$\frac{7V}{700\Omega} \times 500\Omega = 5V$$

$$\frac{7V}{3000\Omega} \times 2500\Omega = \frac{7}{6} \times 5V = \frac{35}{6}V = 5.8V$$

$$\frac{7V}{3000\Omega} \times 1500\Omega = 3.5V$$

$$\frac{7V}{3000\Omega} \times 500\Omega = \frac{7}{6}V = 1.17V$$



0b100
0b01

(3.5, 5.8)

↓
4V, 5V